



Receipt / [Signature]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

A. David Johnson et. al

Serial No.: 10/661,035

Filing Date: 09/15/03

For: Thin Film Shape Memory Alloy Microrelay

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on Wed, Jul 5, 2006 .

Richard E. Backus, Reg. No. 22,701

Signed: Richard E. Backus

Mail Stop Missing Parts  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

REQUEST FOR CORRECTION OF FILING RECEIPT

Sir:

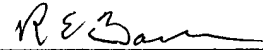
Applicant requests correction of the Filing Receipt mailed 6/8/2006 regarding the Domestic Priority data. In particular, the Filing Receipt states that this application is a DIV of 09/821,840 (with a notation that such is not consistent with PTO records). Such data is incomplete because it does not included the provisional application serial no. 60/192,766 filed March 28, 2000 upon which 09/821,840 claimed priority.

Attached as Ex. A is a copy of the first page of the subject application which specify claimed priority of provisional application serial no. 60/192,766 filed March 28, 2000. This was in addition to the claim of priority of 09/821,840 of which this is a divisional - see attached Ex. B which is a copy of the UTILITY PATENT APPLICATION TRANSMITTAL for the subject case which specifically stated the relationship to 09/821,840.

Accordingly, correction of the Filing Receipt as indicated is deemed to be in order and such action is solicited.

Respectfully submitted,

Date: Wed, Jul 5, 2006



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Richard E. Backus, Reg. 22,701  
Attorney for Applicant

LAW OFFICES OF RICHARD E. BACKUS  
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SAN FRANCISCO, CALIFORNIA 94105



## THIN FILM SHAPE MEMORY ALLOY ACTUATED MICRORELAY

### Cross -Reference to Prior Application

This application claims the benefit under 35 USC §119(e) of United States provisional application serial no. 60/192,766 filed March 28, 2000.

### Statement of Government Rights

This invention was made under contract with an agency of the United States Government: Department of the Air Force, Contract No. F29601-98-C-0049, Phase 2.

## BACKGROUND OF THE INVENTION

### 1. Field of the Invention

This invention relates in general to the electrical switching of signals and power in microelectronics circuits.

### 2. Description of the Related Art

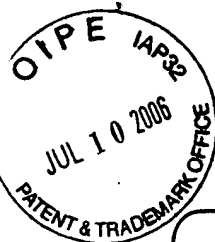
Relays generally use a relatively small electrical current to switch a larger one. Relays usually are operated by electromagnetic solenoids: these are difficult to manufacture in very small size.

Relays are of several kinds. AC, DC, latching and non-latching, multiple or single pole.

Solid state relays exist. In these a voltage controls whether a circuit is conductive or not. These are made as microelectronic components. The disadvantage is that a voltage drop occurs across the component such that it consumes power even when inactive. It works only when electrical voltage is applied.

A relay has two circuits, one that operates the actuator and another that acts as a

Ex. A



PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0851-0032  
U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

A70168

First Inventor

A. David Johnson

Title

THIN FILM SHAPE MEMORY

Express Mail Label No.

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 18]  
(preferred arrangement set forth below)  
- Descriptive title of the invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the invention  
- Brief Summary of the invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 6]
5. Oath or Declaration [Total Sheets 2]  
a. ☐ Newly executed (original or copy)  
b. ☒ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)  
c. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
name in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); orii. ☐ Paperc. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of  
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation☒ Divisional☐ Continuation-in-part (CIP)

of prior application No.: 09/821,840

Prior application information:

Examiner LINCOLN DONOVANArt Unit: 2832For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☐ Customer Number: .....OR ☒ Correspondence address below

Name	Richard E. Backus				
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Name (Print/Type)	Richard E. Backus		Registration No. (Attorney/Agent)	22,701	
Signature			Date	9/11/2003	

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Ex. B